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| Learning Objectives | References | Supplemental Activities | Required Activities | |
| 1.1 The students will state and follow the rules of the lab. | Lecture #1: Lab Safety | V: Science Lab Safety Rap | Lab #1: Making Ice Cream | Test #1 |
| 1.2 The students will identify the safety equipment used in the lab, where it is stored, and how it is used. | V: Science in Motion Safety Video | Lab #2: Techniques  Lab #4 Antoine’s Experiment |
| 1.3 The students will appropriately use measurement devices, including pipettes, micropipettes, graduated cylinders, a balance, and a thermometer. |  |
| 1.4 The students will demonstrate the ability to use a filter, decant liquid, heat a test tube, transfer chemicals, and pour acid correctly. |  |
| 1.5 The students will identify how many significant figures are in a number. | Lecture #2: Sig Figs | [Significant Figure Tutorial](http://www.chem.sc.edu/faculty/morgan/resources/sigfigs/index.html)  [Significant Figure Rules](http://www.usca.edu/chemistry/genchem/sigfig.htm)  [Significant Figure Mathematical Review](http://www.chem.tamu.edu/class/fyp/mathrev/mr-sigfg.html)  V: [Significant Figures Made Easy](http://youtu.be/5UjwJ9PIUvE) | Lab #3: Sig Figs |
| 1.6 The students will complete mathematical functions using significant figures. |
| 1.7 Students will distinguish between accuracy and precision of a measurement and determine which is best suited to a particular situation. |  |